

20030617.qrp v02_n954.qrl.20030617

Date: Tue, 17 Jun 2003 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2954

QRP-L Digest 2954

Topics covered in this issue include:

- 1) [152450] Noise Bridge Needs New Home
by "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
- 2) [152451] FOX N4DD Preliminary Log
by "Dennis Brickey" <n4dd@preferred.com>
- 3) [152452] FS QRP items . . .
by fcsww@juno.com
- 4) [152453] New Elecraft books page - "The Complete DX'er"
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 5) [152454] Any have copy...
by "Rich Johnson" <rjohnson390@attbi.com>
- 6) [152455] FS - Icom auto tuner
by Rick McKee <kc8aon@juno.com>
- 7) [152456] Re: OT 40m Mizuho owner manua
by Caitlyn Martin <ku4qd@earthlink.net>
- 8) [152457] KI6DS TO Hamcom
by "Doug Hendricks" <ki6ds@dospalos.org>
- 9) [152458] Re: OT: Component Help Needed
by "Bob Okas" <vintage2@earthlink.net>
- 10) [152459] DSW-II-20 Completed and QRV!
by "Dennis Ponsness" <wb0wao@hotmail.com>
- 11) [152460] MSP430 20-pin proto board update
by "Leon Heller" <leon_heller@hotmail.com>
- 12) [152461] Michigan QRP Net
by kwike@gdls.com
- 13) [152462] FOX LOG K0FRP
by alk0frp@attbi.com
- 14) [152463] OT-Need help with Generator Circuit!
by <mpupeza@sympatico.ca>
- 15) [152464] K3WWP site
by ARDUJENSKI@aol.com
- 16) [152465] Tinning SM pads on homemade PCBs
by "Leon Heller" <leon_heller@hotmail.com>
- 17) [152466] Parts need new homes...
by "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
- 18) [152467] Rock Mite 20
by "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
- 19) [152468] A few ideas for the Norcal Keyer

by Charles Olson <jacksonharbor@att.net>
20) [152469] Crystal Set comments
by "Tom Dufresne" <tdufres@hotmail.com>
21) [152470] f/s lower priced key & paddle
by <nf7v@cox.net>
22) [152471] Cabinets, chasses, coax fittings, crystals need new home
by "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
23) [152472] You guys know about this???
by Ed Tanton <n4xy@earthlink.net>

Date: Mon, 16 Jun 2003 18:17:55 -0400
From: "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
To: qrp-l@lehigh.edu
Subject: [152450] Noise Bridge Needs New Home
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE13303C6183E@bincmdgnorexc02.cahners.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Found a nice Palomar noise bridge while unpacking a few boxes today. Checked it out, works fine. Copy of the documentation. \$25 plus shipping from 30004.

Thanks,

Steve Hudson AA4BW

Date: Mon, 16 Jun 2003 20:01:34 -0400
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@lehigh.edu>
Subject: [152451] FOX N4DD Preliminary Log
Message-ID: <002101c33463\$9ec7b280\$c7617642@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Folks,

Thanks for the fun. Thunderstorms were all around along with tons of static. The noise level was tremendous. This is the log as I have it. Please email me directly with any discrepancies. The exchange sent was 559 TN Dennis 5W. Wish I could have heard

more of you!

Best Regards!

Dennis N4DD

2200 NK6A 599 CA DON 5W
2201 N5ZE 559 TX LEW 5W
2202 N0TK 559 CO DAN 5W
2203 N0WX 599 MN MIKE 5W
2203 KB7WW 559 OR ART 5W
2204 W5YR 559 TX GEORGE 5W
2205 W0EB 559 KS JIM 5W
2206 KK6MC 559 NM JIM 5W
2207 AC7A 559 AZ TOM 5W
2208 K7FD 579 OR JOHN 5W
2209 W0NTA 559 CO DICK 5W
2209 KK5NA 559 TX JOE 5W
2210 W3CD 559 CA BOB 5W
2212 K50I 559 OK TIM 1W
2213 K0EVZ 449 ND DOC 4W
2214 N1TP 559 FL TOM 5W
2215 N0UR 579 MN JIM 5W
2220 K5ZTY 559 TX BILL 5W
2224 K5E0A 559 LA WAYNE 5W
2225 AA7EQ 559 AZ BOB 5W
2230 K5SR 559 TX DALE 5W
2233 W5KDJ 559 TX WAYNE 500 MW
2237 N5IB 559 LA JIM 5W
2237 N5YFC 559 LA WAYNE 5W
2240 W6AZ 559 CA RON 5W
2241 W0MPR 599 CO GREGG 5W
2242 N1FN 559 CO ET 5W
2251 N0JRN 559MO JERRY 5W
2258 WB5EKU 449 CA DON 5W
2302 N5FFF 559 LA RON 5W
2307 K5JHP 559 TX BILL 5W
2308 W7ILW 559 AZ WALT 5W
2310 AB9CA 559 AL DAVE 5W
2312 KG6WP 559 CA HOWARD 5W
2321 K7HBN 559 WA GEORGE 5W
K0FRP
N4DD

Date: Mon, 16 Jun 2003 20:53:08 -0400
From: fcsww@juno.com
To: qrp-l@lehigh.edu
Subject: [152452] FS QRP items . . .
Message-ID: <20030616.205313.-3824113.2.fcsww@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

. . . available:
swl20+ w/freqmite, \$80
rockmite20 in Doug Hauf case, \$60
wm2 wattmeter, \$80
t-kit, 6 to 10 mtr Rcv. convertor, \$20
all items assembled, working, w/documentation.

Dick, W2SCF
fcsww@juno.com

Date: Mon, 16 Jun 2003 18:35:44 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [152453] New Elecraft books page - "The Complete DX'er"
Message-ID: <3EEE7070.1040101@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

We have added a new Radio and Tech Books order page to the Elecraft site.

Our first offering is the new third edition of W9KNI's classic, "The Complete DX'er". Since its first publication to rave reviews in 1983, "The Complete DX'er" has become the guidebook for the rising DX hunter. This new third edition fully retains the approach and feel of the original classic. Every significant aspect of DX'ing is covered, from learning how to REALLY listen, how to snatch the rare ones out of the pile ups, and how to secure that elusive QSL, plus advice on siting, equipment selection and antennas.

We will be adding quite a few additional books from the ARRL publications list shortly. Purchasing your radio and technical books from Elecraft helps to us grow our business and and to keep us designing exciting new products for you. We appreciate your support!

73, Eric WA6HHQ and Wayne, N6KR
<http://www.elecraft.com>

Date: Mon, 16 Jun 2003 18:57:37 -0700
From: "Rich Johnson" <rjohnson390@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152454] Any have copy...
Message-ID: <000f01c33473\$d656ec10\$5c96d00c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for a copy of the article
 "Eight Ways to Better Radio Receiver Design"
 by U. Rhode
 Electronics, Feb. 20, 1975, p87-91.

I found a German copy on the web (i think german) but auto translation did not work.

Thanks for any help you may be able to give.

cheers,
rich

Date: Mon, 16 Jun 2003 22:09:10 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [152455] FS - Icom auto tuner
Message-ID: <20030616.220919.9166.5.kc8aon@juno.com>

My friend still has the Icom AH-2 auto tuner for sale, and has lowered the price from \$300 to \$200 after he realized that the newer version is only \$249 ! If interested, email me and I'll get in touch with him. He's a construction contractor and on the road all day and doesn't have time to play on the internet !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
 QRP-L #2112, FPqrp #33, AR QRP #269
 QRP'ers DEPEND ON SKILL - NOT RAW POWER !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Mon, 16 Jun 2003 23:46:08 -0400
From: Caitlyn Martin <ku4qd@earthlink.net>
To: adamvaz@palm.net
Cc: qrp-1@lehigh.edu
Subject: [152456] Re: OT 40m Mizuho owner manua
Message-ID: <20030616234608.492eb02d.ku4qd@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Mon, 16 Jun 2003 14:38:17 +0000 (GMT)
"Adam Vazquez Kb2Jpd" <adamvaz@palm.net> wrote:

> Hi there. Looking for the English translation of the Japanese owner
> manual for the 40m Mizuho MX handfui (sorry handheld). I am also
> looking for the the English translation of the instructions for the
> addon noise blanker.
>

Hi, Adam,

ThIs information is normally on the Mizuho reflector website at:

<http://www.mizuhoradio.com/mx7s.html>

Sadly, the manuals are temporarily missing from the site. I am in the process of getting ready to move, but send me your address off list in a private e-mail and I'll try to find time to make a copy and send it to you. The manuals should be back up on the site soon, hopefully in July.

72,
Caity
KU4QD

Date: Mon, 16 Jun 2003 21:54:08 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [152457] KI6DS TO Hamcom
Message-ID: <020501c3348c\$7e643cb0\$1fdbd7a8@DOUG>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, I am super excited tonight. I will be leaving early in the morning for Hamcom in Dallas where I will be speaking at the QRP Forum cosponsored by NorTex on Sunday morning at 9:00 AM, and will be manning the American QRP Club booth the rest of the time. I should arrive in Dallas on Friday morning and hope to be at the convention center about 10:00 AM. Will have tons of goodies with me, and also will be taking subscriptions for the American QRP Club Journal and signing up members for the American QRP Club.

If you ordered a keyer from me, please be patient. I have mailed all orders received as of today. Will catch up when I return. Don't worry, lots of kits, we won't run out. Will be back in Dos Palos the 6th of July.

Spending Field Day on the Oklahoma/Missouri line at a campground with the 4SQRP Group. I'm taking my 4 Band K1 and my new DSW20-II. Hope to work you.

Don't forget, if you need a BLT, NorCal Resistor Kit, Miniboosts Amp, NorCal Keyer, NorCal Crystals, membership and subscription to the new American QRP Club journal, "The Homebrewer" then be sure to stop by and see me at the American QRP Club Booth.

Also, The American QRP Club will be selling the brand new KD1JV Tenna Dipper kit for the 4SQRP Group at Hamcom. The guys couldn't make it, and asked us to help out. You gotta have one of these kits. 72, Doug

Date: Mon, 16 Jun 2003 22:57:11 -0700
From: "Bob Okas" <vintage2@earthlink.net>
To: <w9wis@charter.net>
Cc: <qrp-1@lehigh.edu>
Subject: [152458] Re: OT: Component Help Needed
Message-ID: <FHEJJJPJADNLFNJBFOFAMEOHCEAA.vintage2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike and the Group,

A 4 layer diode can be thought of as a solid-state neon bulb. Like the neon, this diode remains essentially an open circuit until the breakover voltage

is reached. In your case, 20V. Once it conducts, it remains in that state until the applied voltage drops below some minimum sustaining value, just like an NE-2. It then assumes a non-conducting state. One of it's principal uses is sawtooth generation, as you discovered. It is polarized, and hence it has an anode and a cathode.

You might try searching the NTE website for a suitable replacement. Failing that, you might try a Diac. This device is a 5-layer (sounds like a dip!) diode that conducts in both polarities. It is non-polarized and is rated similarly to 4 layer diodes in terms of breakover voltage and current handling capabilities. For further info on these and other solid state devices, you can surf over to:

<http://www.play-hookey.com/semiconductors/>

73 & Good Luck!

Bob - W3CD

Date: Tue, 17 Jun 2003 07:28:02 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [152459] DSW-II-20 Completed and QRV!
Message-ID: <Law11-F78UkRacUtI9d00003614@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Well, the DSW-II-20 is done and works FB (will try for a couple of Q's later on this morning! The rig went together very well and is, IMHO, about the same "difficulty" level to build as the SW-xx+ series of rigs - that means it would be a great "first time kit" for someone. Alignment is VERY easy to do - peak the one xformer can for max signal received and adjust the only trim cap on the board for your BFO setting. Dave outlines 2 different ways to do this and either one is quick and easy. Did have one very small hitch that I had to email Dave about, and within a few hours (I sent the email at around midnite and got the response around 6:30am the next morning) he told me what to do to correct the problem. Once I did the corrections (which were very minor), the rig worked just fine!

I think Dave has another big winner on his hands and I am looking forward to the other versions when they come out (hopefully soon).

Of course, standard disclaimers, yadda yadda yadda - just a very satisfied customer!

72 es oo

Dennis - WB0WAO

EN84ij Iosco County, Michigan
MultiPig+ #3 - K2 #3555 (In Pre-Production)
DSW-II-20 - SW-40+ - SW-30+
RM-20 - RM-40

NJQRP #329 - FPQRP #-347 - SOC #499
GACW #622 - ARS #1363 - QRP Canada #248
FISTS # 9299
Charter Member - Michigan DX Association
www.qsl.net/wb0wao
:=)

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Date: Tue, 17 Jun 2003 11:18:51 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-1@Lehigh.EDU>, <mSP430@yahoogroups.com>
Subject: [152460] MSP430 20-pin proto board update
Message-ID: <Law15-DAV46TxffffrhB00002d30f@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've just updated the design of my prototyping PCB for the MSP430 20-pin devices:

http://www.geocities.com/leon_heller/mSP430.html

I've incorporated a few improvements like supply rails on the prototyping area, and enlarged the pads, so that it is easier to fabricate at home. The artwork is now in the form of a PDF file, so it may be used with any printer without any problems.

If anyone is interested, I could get a batch made professionally. They will be very cheap, given sufficient orders.

It's ideal for trying out my MSP430 Morse generator software.

Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 17 Jun 2003 06:54:40 -0400
From: kwike@gdls.com
To: qrp-1@Lehigh.EDU
Subject: [152461] Michigan QRP Net
Message-ID: <0FDA8894FD.3D8DA56E-ON85256D48.003BD59B@gdls.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

We had nine check-ins last week. Conditions started out OK but they degraded very quickly.

	S	R		
K8CV	559	579	ROYAL OAK	MI WALT
WA8BXN	599	599	CLEVELAND	OH MIKE
AA8IV	579	589	FINDLAY	OH RICH
WA8REI	599	599	FREELAND	MI KEN
N1CUU	449		GETTYSBURG	PA CARL
W2SH	449	339	MILLINGTON	NJ CHARLES
WS3K	339	559	LEWISTOWN	PA DON
W8IQB	579	589	BRISTOL	MI LOWELL
K1YPP	339	449	HAMPSTEAD	NH DENNIS

The Michigan QRP Net meets Tuesday nights at 9:00 PM Eastern Time on 3.535 MHz. All hams are welcome.

Ed AB8DF

Date: Tue, 17 Jun 2003 11:13:30 +0000
From: alk0frp@attbi.com
To: n1tp@swfla.rr.com;qrp-1@lehigh.edu;
Subject: [152462] FOX LOG K0FRP
Message-ID: <200306171113.h5HBDUws002273@rain.CC.Lehigh.EDU>

First Log K0FRP/4 Aiken SC
41 q's

K0FRP REPORT 579 SC AL 5W
K1 Delta loop at 35 ft

Time	call	rst	name	SPC	Pwr
2201	N9NE	579	TODD	WI	5W
2202	K0EVZ	569	DOC	ND	4W
2203	N5ZE	579	LEW	TX	5W
2205	N1TP	579	TOM	FL	5W
2206	K7FD	579	JOHN	OR	5W
2207	K0TK	579	DAN	CO	5W
2206	K50I	559	TIM	OK	5W
2211	KB7WW	559	ART	OR	5W
2212	KK6MC	559	JIM	NM	5W
2213	N0WX	559	MIKE	MN	5W
2215	W0NTA	559	DICK	MO	5W
2217	N0UR	559	JIM	MN	5W
2220	W5YR	559	GEORGE	TX	5W
2222	K5ZTY	559	BILL	TX	5W
2226	W5KDJ	559	WAYNE	TX	5W
2228	K5SR	559	DALE	TX	5W
2229	K5EOA	559	WAYNE	LA	5W
2231	KK5NA	559	JOE	TX	5W
2236	N1FN	559	ET	CO	5W
2238	AC7A	579	TOM	AZ	5W
2248	W0MPR	599	GREG	CO	5W
2242	K3PHB	559	BOB	PA	5W
2244	W3CD	579	BOB	CA	5W
2246	N0JRN	559	JERRY	MO	5W
2250	N5YFC	559	WAYNE	LA	5W
2253	W7IL	559	WALT	AZ	5W
2300	W6AZ	559	RON	CA	5W
2304	K5JHP/M	559	BILL	TX	5W
2306	W0UFO	559	MERT	MN	5W
2306	KG4FSN	559	JUAN	FL	5W
2308	N0IT	559	DAVE	MO	5W
2310	N5GJQ	559	MIKE	LA	5W
2310	AA7EQ	559	BOB	AZ	5W
2311	W8CV	559	WALT	MI	5W
2312	W9EB	579	JIM	KS	5W
2313	AD6JV	559	BILL	VA	5W
2315	W1EAT	579	TOM	VT	5W
2317	C02HA	579	FRANK	CU	5W
2318	N1IX	559	DAVE	NH	5W
2326	K2ZN	559	AL	NY	5W

VERTUAL Q'S

N4DD

K0FRP

Date: Tue, 17 Jun 2003 9:49:27 -0400
From: <mpupeza@sympatico.ca>
To: <qrp-1@lehigh.edu>
Subject: [152463] OT-Need help with Generator Circuit!
Message-ID: <20030617134927.PCEL23960.tomts15-srv.bellnexxia.net@[209.226.175.20]>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 7bit

I have a 6HP 1986 Evinrude Outboard motor with a built-in 5 Amp charger. Apparently, this charger circuit is just a small pickup coil with a magnet on the flywheel. A diode rectifies this and on goes the power to the battery. Meanwhile, I have a small solar panel with it's own regulator (Mike Bryce's little sunswitch) that feeds in parallel to the battery, along the same power line. Every year, the sunswitch fails, due to the Fet and/or the diode. I guess that the generator spikes are too high and dirty. I was planning on putting an inductor in series with the gen circuit and, perhaps, a 15V Zener to ground, after the coil, to clean up the spikes from the gen. Any ideas on this? What amount or type of coil, what size of zener, or what other suggestions do you have? It's only last year, after 5, that I actually figured out what was causing my Sunswitches to fail! I guess that I'm a slow learner, and I got tired of fixing those Fets!

Thanks for any help.
Mike VE3EQP.....>

Date: Tue, 17 Jun 2003 11:16:30 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [152464] K3WWP site
Message-ID: <a4.38d697ca.2c208ace@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

John K3WWP represents to me what QRP and ham radio is all about. If you have not been to his site for a while you may want to check it out. Also John is running a poll on using of paddles/keys.

<http://www.qsl.net/k3wwwp/>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Tue, 17 Jun 2003 15:41:44 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [152465] Tinning SM pads on homemade PCBs
Message-ID: <LAW15-DAV123TEXcGw100011368@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

An easy way to tin SM pads on PCBs you've made yourself is to apply a piece of *used* desolder braid to them and wipe it over the the pads whilst heating the braid with a soldering iron. Applying some liquid flux first helps.

73, Leon
--
Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 17 Jun 2003 12:36:45 -0400
From: "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
To: qrp-l@lehigh.edu
Subject: [152466] Parts need new homes...
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE13303C61C3C@bincmdgnorexc02.cahners.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

More box sorting, found some parts that need new homes, all plus shipping from 30004.

Thanks,

Steve Hudson, AA4BW

Power resistors:

Wirewound power resistors

750 ohm, 10 w Tru Ohm wirewound resistors, NOS. 4 pcs. \$1
750 ohm 10 w IRC wirewound power resistors, NOS, 3 pcs. \$0.75
800 ohm 10 w Tru Ohm wirewound resistor, NOS, 3 pc. \$0.75
900 ohm, 10 w Tru Ohm wirewound resistors, 7 pcs, NOS. 1.50
1000 ohm, 10 w Tru Ohm wirewound, NOS. \$0.25
1100 ohm, 10 w IRC wirewound resistors, NOS, 7 pcs. \$1.50
1100 ohm 10 w Tru Ohm wirewound power resistors, NOS, 2 pcs. \$0.50
1200 ohm, 10 w IRC wirewound resistors, NOS. 4 pcs. \$1
1200 ohm, 10 w Tru Ohm wirewound resistors. NOS. 4 pcs. \$1.
1250 ohm, 10 w Tru Ohm wirewound resistors. 4 pcs. NOS. \$1
1250 ohm 10 w wirewound IRC resistors. 5 pcs. NOS. \$1.25
1500 ohm 10 w Square Ohm resistors, NOS, 3 pcs. \$0.75
1750 ohm 10 w IRC wirewound resistors. 8 pcs. \$1.50
10k, 1 w carbon comp NOS. Bag of about 20. \$3

All above power resistors as a batch, \$10

Misc components:

Box of about 80 pcs SBE 4PS P10 capacitors, 0.1 uf, 400v, orange drop caps. NOS. \$8

Bag of 6 old-style Heath chassis-mount microphone connectors (as on the DX60 series). Each one has hardware, two insulated shoulder washers, and big solder lug. NOS. \$4

Bag of 5 Switchcraft quarter inch jacks, mono, closed circuit, each has nut and washer. NOS. \$3

Bag of 5 P&B relays, 40dt, 120v coil part number 81 KHAU17A16-120. NOS. \$5

Box of 500 Sprague 1 uf 50 v axial lead electrolytic caps. Box is labeled 500 pcs and appears to be full, but it has been opened so some may be missing - I'm not up to counting them! \$12

Bag of NOS tube sockets. 3 pcs 9-pin ceramic w bayonet base, 2 pcs 8 pin octal phenolic,, 4 pcs 7 pin ceramic but no metal mounting flange on these four 7 pin sockets. \$4

EICO #30001 power transformer and EICO 34500 choke. Transformer appears to have HV CT winding (red, red/yel, red) and filament winding (yellow, yellow). No further info on these...must have been saving them for

something though! \$5

Bag of 19 old-style rectangular SM caps, the ones with the color dots. These appear to have been removed from equipment over the years. \$3

Reduction drive:

Jones Bros. 6:1 reduction drive, quarter inch front shaft with quarter-inch coupler on back to mount to shaft. Mounts with single flange. \$8

Date: Tue, 17 Jun 2003 13:20:11 -0400
From: "Kevin M., KC8SFJ" <adverseyaw@twmi.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [152467] Rock Mite 20
Message-ID: <001901c334f4\$b5638a50\$65dc0a0a@magnus>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well gang,
I have ordered a Rockmite 20 and was wondering if anyone knew where I can get a couple of 14.060 crystals while I am waiting for shipment?

73,
Kevin, KC8SFJ
|=====|
| QRP-L #2366 - member since October/2001 |
| QRP-ARCI #11248 - member since May/2002 |
| FISTS #9293 - member since July/2002 |
| HR - member since September/1965 |
|=====|

AdverseYaw@twmi.rr.com <-- My email address
Quote of the day--

A fanatic is one who can't change his mind and won't change the subject.

- Winston Churchill

Date: Tue, 17 Jun 2003 17:31:11 +0000 (GMT)
From: Charles Olson <jacksonharbor@att.net>
To: qrp-1@lehigh.edu
Subject: [152468] A few ideas for the Norcal Keyer
Message-ID: <200306171731.h5HHVCws010777@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang -

A few Norcal Keyer ideas:

- 1) Socket - I'd recommend the use of a socket for the keyer IC.
- 2) Battery power: 6 volts is beyond the keyer IC specifications - I'd use a 4.5 or 3 volt battery, 2 or 3 AA or AAA cells, OR one lithium cell. Note that at lower power supply voltages, the minimum speed pot setting will increase, mine went from 13 wpm to 18 wpm from 5V to 3V.
- 3) Low Power regulator: The LM2936 from National Semiconductor is a pin compatible part to the 78L05 supplied with the kit, but the LM2936 will only use 7 ua at a 9V input while the 78L05 will be much higher. The LM2936 is available in both 3 and 5 volt outputs in the TO-92 package. This regulator should have extra capacitance on the output, a 2.2 uf or higher tantalum capacitor will do. there are lower cost alternatives to the LM2936, notably the Seiko regulators available from Mouser, but they are not pin compatible with the 78L05. One bonus of the LM2936 since it's designed for the automotive environment, it can withstand polarity reversals and relatively high voltage inputs without being damaged. The down side of this part is the price.

- 4) If you want to add word spaces to a message, send the character:

di-dah-dah-dah-dit

each time you want a word space inserted. This can be done at the end of a message to effect a controllable delay between beacon message sends. One warning, the recording routine will chop off a word space at the end of a message, so you have to send X + 1 word spaces to get the desired X spaces.

5) Multipress problems: If you are having trouble with multipresses, one alternative is a hardware solution using diodes. See the document, "Stalking the wild Multipress" on my website:

<<http://jacksonharbor.home.att.net/stalkin.pdf>>

6) Single lever paddle users and the mem+both problem: Since a single lever paddle can only press either the dit or dah but not both at the same time, sending or recording the mem+both memory is a problem. One other problem is that the 5 ditdah tune mode won't work either. One solution is to install a push button switch near the paddle which can be used to press either the dit or dah while the paddle is used to press the other input. Another solution is to use the diode scheme in idea 5 above.

7) The Norcal keyer IC will function in Tick/PK-x keyer sockets, the pinout is the same, however an additional resistor must be added on pin 4 to "pullup" the pin - a 10k resistor connected from pin 4 to pin 1 (the power supply pin) will work fine. Why would you want to do this ? It might be nice for rigs such as the Norcal 38 special or Red-Hot Radio series where there is a Tick socket built into the rig. With the PK-x series, a high value resistor (1 meg ohm is fine) should be connected from the sidetone output to ground to prevent the pin from "floating" which will consume more power.

8) For lower power usage and longest keyer IC life, replace the supplied sidetone speaker with a piezo - the keyer active current usage should drop dramatically. I like the Murata piezos available from Mouser (81-PKM22EPP-4001).

9) NO VELCRO ! - please don't use velcro to mount the keyer circuit board, one of the few times I've ever seen a damaged keyer IC was when the builder used velcro to mount/insulate the circuit board - something about that tearing action really generates the static charge separation !

10) Another item to save power: Use a 2n7000 transistor in place of the pn2222a supplied with the kit - the 2n7000 is pin compatible with the NPN part but it is a MOSFET and requires virtually no "drive" current. Another possibility is the BS-170 MOSFET, but the pinout is "backwards", you'll have to turn it 180 degrees before inserting it in the pn2222a position.

11) Substitute pot values: Dave Hinerman, WD8CIV, mentioned that he used a

20k pot in place of the 100k value specified for the speed pot. He changed the value of C4, the timing capacitor to .047 uf from .01 uf supplied with the kit. Dave reports that this combination works fine. The timing capacitor supplied with the kit is a polyester cap from Panasonic with a .2 inch lead spacing. Another RC combination which should work is a 50k pot with a .022 uf cap - I haven't tried that one yet but I did try a .1 uf cap with a 10k pot and that did NOT work, so it looks like the 20k plus .047 uf cap might be the limit of this mod.

Any comments? Please email them to: jacksonharbor@att.net

Best Regards,

Chuck Olson, WB9KZY
Jackson Harbor Press - Ham Radio Kits and more!
Washington Island, WI
jacksonharbor@att.net
<<http://jacksonharbor.home.att.net/>>

Date: Tue, 17 Jun 2003 17:41:07 +0000
From: "Tom Dufresne" <tdufres@hotmail.com>
To: grp-1@Lehigh.EDU
Subject: [152469] Crystal Set comments
Message-ID: <BAY1-F108zKV7Bt6xWp00025343@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I just finished my latest project-a 5 band SW crystal radio. It was tons of fun, I have found myself getting more cautious and careful as I build more and more. This one was really fun, albeit expensive for a xtal radio rig, but honey, it doesn't use any expensive batteries! Boy, if I could just explain my Radio Shack bills now.

Anyway, for those who are interested, you can see my work at
<http://home.neb.rr.com/tdufres/econoceanic.html>

As with any projects, your feedback/info would be helpful.

I have a few questions of my own. I use as the author suggested a powered amplifier/speaker (Radio Shack 277-1008C-5K ohms input impedance). Can one measure the power output to the amplifier, given an old Heath scope, and minimal expertise with same, and has anyone else ever got selectivity improved? What about other types of diodes? I am currently using a 1N34A Radio Shack 276-1123 basic.

Just a few ideas to kick around. What a real thrill hearing Deutsch Welles and Radio China last night!

73 s

Tom

KC0GXX

MSN 8 helps eliminate e-mail viruses. Get 2 months FREE*.
<http://join.msn.com/?page=features/virus>

Date: Tue, 17 Jun 2003 14:00:03 -0400
From: <nf7v@cox.net>
To: qrp-1@lehigh.edu
Subject: [152470] f/s lower priced key & paddle
Message-ID: <20030617180001.SKGS6170.fed1mtao07.cox.net@smtp.west.cox.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have a key and paddle for sale and I WILL haggle(bargain)with you over the price.

Reply directly to me nf7v@cox.net

Prices include conus priority mail

1) Vibroplex "Standard" Iambic paddle \$100
list \$140 HRO \$130

2) Nye Viking Master Key \$60
list \$90

Thanks,

Russ NF7V

Date: Tue, 17 Jun 2003 16:18:06 -0400
From: "Hudson, Steve (RBI-US RCD)" <sdhudson@reedbusiness.com>
To: qrp-1@lehigh.edu

Subject: [152471] Cabinets, chasses, coax fittings, crystals need new home
Message-ID: <A7E30DBD5928D442A7AE9EF215EEE13303C61EEE@bincmdgnorexc02.cahners.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Found a box of cabinets, chasses, coax fittings, and crystals, and they need new homes. Plus shipping from 30004.

Thanks,

Steve AA4BW

Slope-front Tentec (I think) type instrument cabinet. Footprint measures about 7 wide x 6.25 deep. Back is about 3.75 high; front is a bit under 1.5 high. Beige painted aluminum front/top/rear and black wrinkle back/side. New but unwrapped, so a bit of edge scuffing. \$7

Cabinet assembly. Steel clamshell top/bottom, black front and rear. Vent slots in rear panel. New but unwrapped, so a bit of edge scuffing. Measure about 6w x 5h x 10d. \$7

Project box, aluminum, unpainted 4x2.25x2.25. L-shaped top, wrap-around edges. Nice little box. \$3

Aluminum chassis. About 7x13x2. \$7

Bag of PL259/S0239 connectors and adapters. They look more or less new unless otherwise noted. Quick check, if I've counted right and left nothing out, shows one chassis mount S0239 (pull), 4 PL259s (new), 1 PL259 and UG175 adapter (old, cut from end of cable), several PL259 adapters, 2 S0239s (appear to be panel mount, not flange mount, but uncertain of mounting arrangement), 1 S0239 single-hole mount but no hardware, 1 PL259 hood, 1 right-angle PL259 adapter, one adapter for standard to quick-disconnect PL259 (may have been modified with removal of one of the six ears, or the design may only have five ears -- can't tell for sure), 1 double male PL259 adapter. \$4

FT243 crystals. \$4 each

7185

7073.3

7063

7045

Z9C (FT243 pins, metal case, still in original plastic boxes) \$4 ea

3744

3726

7158

7175
7188
3716
7050

Date: Tue, 17 Jun 2003 18:44:25 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: qrp-L Reflector <qrp-l@lehigh.edu>,
noga reflector <nogaqrp@mailman.qth.net>,
Subject: [152472] You guys know about this???
Message-ID: <5.2.1.1.2.20030617184032.02928bc8@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

See below, or their webpage at: <<http://www.kepro.com/>>

QUOTE:

NOTICE

KEPRO CIRCUIT SYSTEMS will cease normal operations JUNE 13th 2003. Any orders for Photosensitized Copper Clad materials not on hand at that date will no longer be available. Orders for all other Kepro products will be filled from remaining inventory. Thank you for your many years of support. Our last shipping day will be JUNE 25th 2003.

UNQUOTE

This is not a good thing.

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".

--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."

--Mark Twain

End of QRP-L Digest 2954

